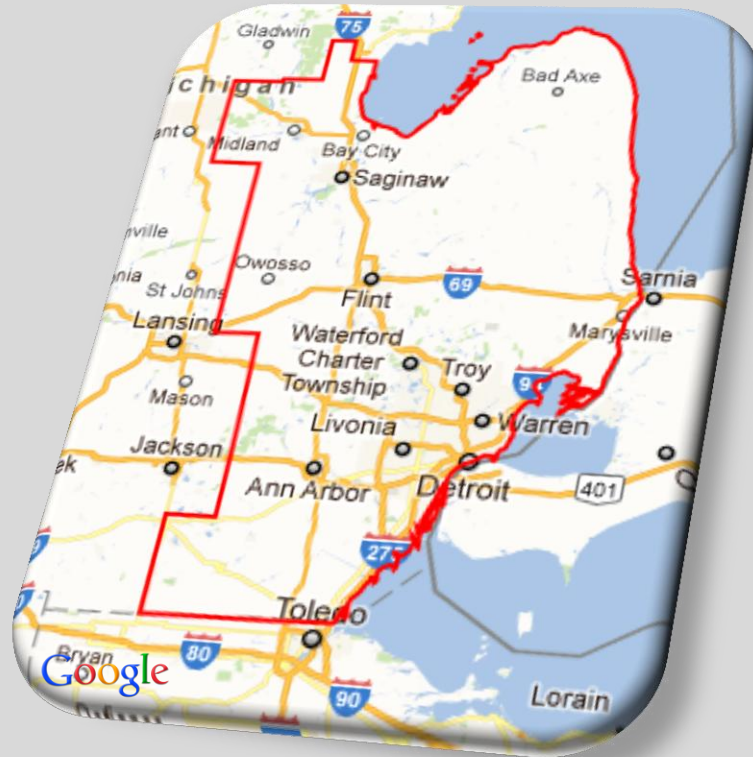




# Weather Briefing

## February 25, 2013



**National Weather Service**  
**Detroit/Pontiac, MI**

<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)

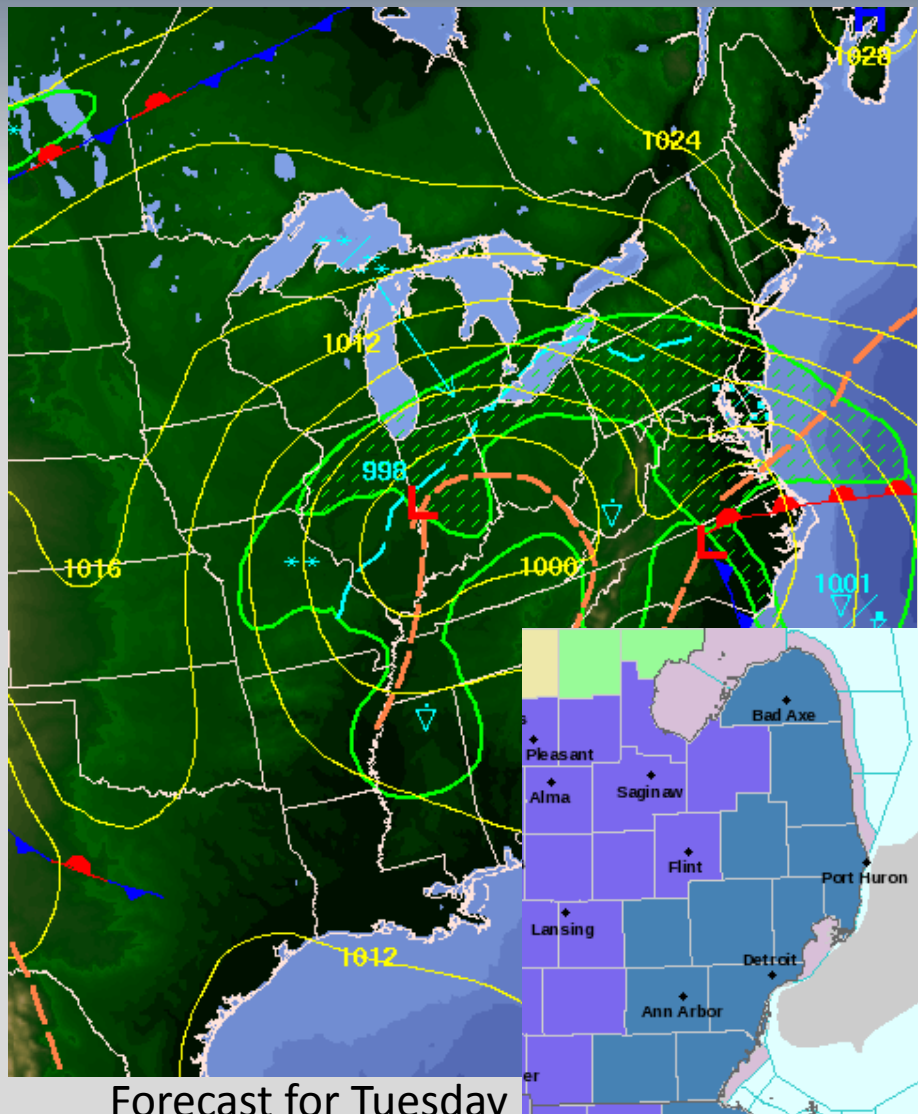


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# Decision Support Briefing Highlights



Forecast for Tuesday

## Event Summary Winter Storm Watch

Starting at 2 PM (Tuesday) for Washtenaw, Wayne, Lenawee, & Monroe counties & 4 PM for Livingston, Oakland, Macomb, Lapeer, St. Clair, Sanilac, & Huron counties through 7 AM (Wednesday)

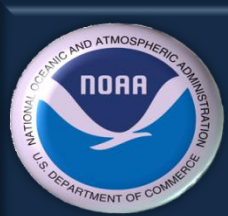
6+ inches of snow possible

## Winter Weather Advisory

Starting at 6 PM (Tuesday) for Midland, Bay, Saginaw, Tuscola, Shiawassee, & Genesee counties through 7 AM (Wednesday)

3-5 inches of snow

Snow, possibly mixed with rain initially, will move into Southern MI Tuesday afternoon & spread north



# Winter Watch Hazard Risk Assessment



**Extreme**

**High**

**Moderate**

**Low**



**This Potential Event is a  
Common to Rare  
Weather Event**

**Potential to Cause Disruption to  
Daily Life**

**Recovery Time**

**Around When Weather Hazard  
Ends to a Couple of Days**

**Extreme:**

- Historic Weather Hazard/Event
- Life Threatening
- Total disruption of daily life
- Recovery Time: days to one week

**High:**

- Rare Weather Hazard/Event
- Potentially Life Threatening
- Widespread disruption of daily life
- Recovery Time: hours to a couple days

**Moderate:**

- Common Weather Hazard/Event
- Rarely directly life threatening
- Some disruption of daily life
- Recovery Time: +/- 6 hrs of when weather ends



# Potential Impacts



## Road Conditions

- Roads covered with heavy wet snow will result in poor traction

## Additional Potential Impacts

- Power Outages due to heavy wet snow possible
- Low visibility due to high snowfall rates

Power Outage Potential	High	Medium 	Low
Blowing/Drifting Potential	High	Medium	Low 



# Timing of Winter Weather



## Beginning

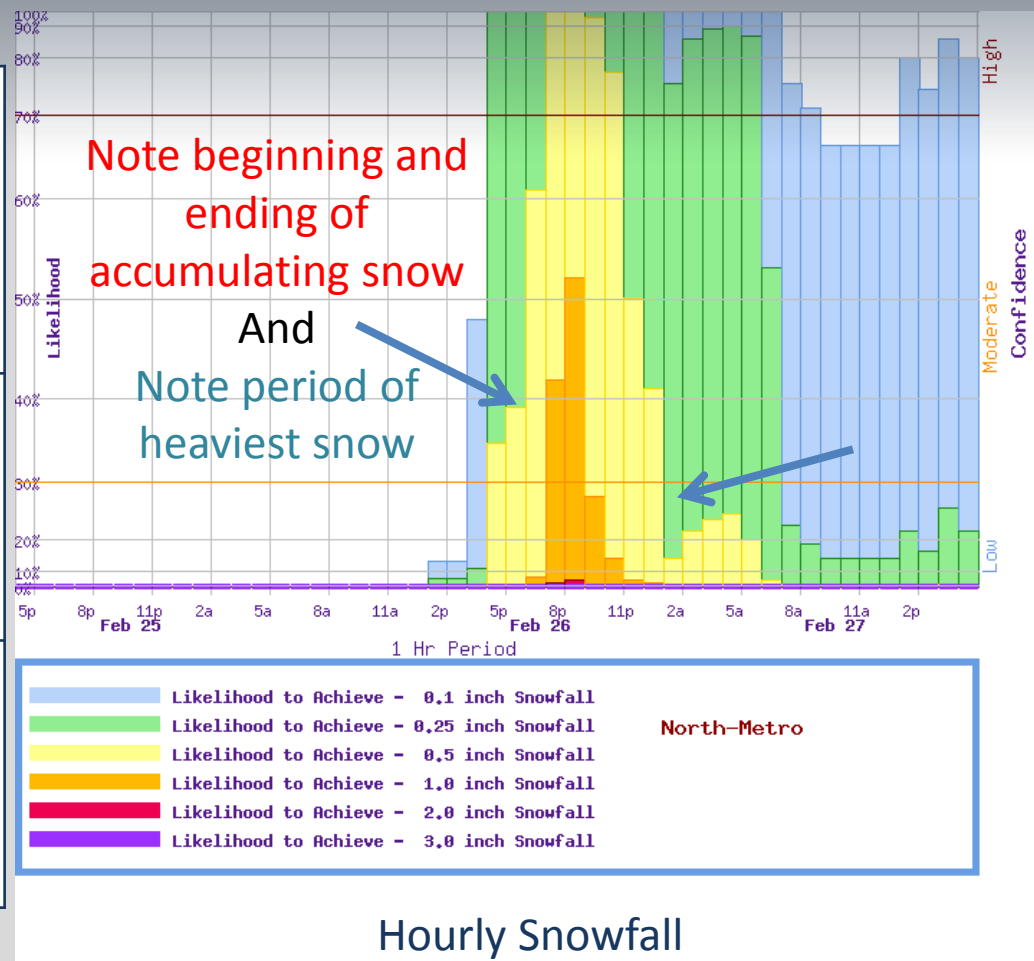
- Snow expands from south to north through the afternoon on Tuesday

## Heaviest

- The heaviest snow late Tuesday afternoon into the evening

## Ending

- Snowfall will decrease in intensity Wednesday morning



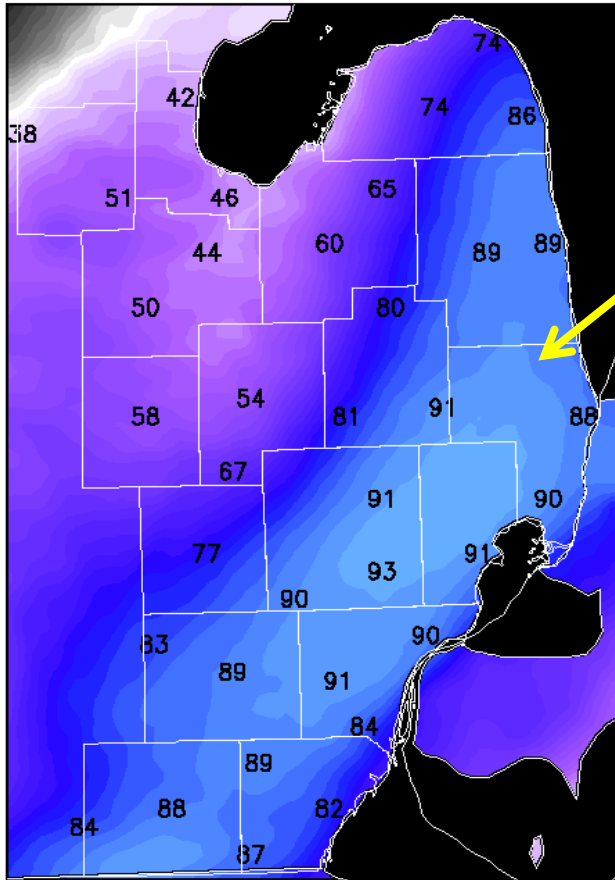


# Snowfall Confidence

## Storm Total



Storm PSnow (%) thru 02/27/2013 06EST



Prob to Achieve 4 in (%)

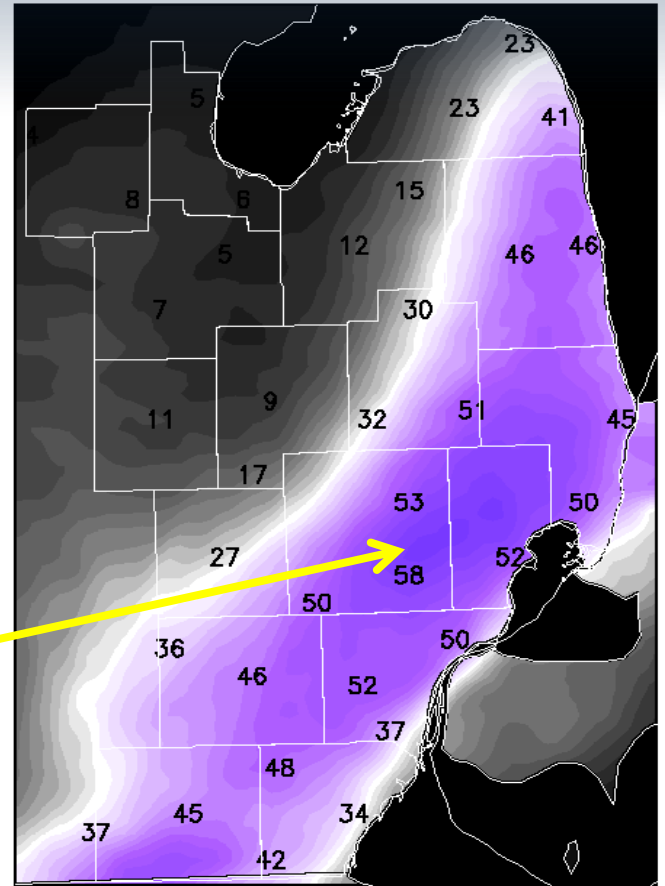


### AREA View

High confidence  
snowfall totals will  
exceed 4 inches.

Moderate  
confidence snowfall  
totals will exceed 6  
inches

Storm PSnow (%) thru 02/27/2013 06EST



Prob to Achieve 6 in (%)



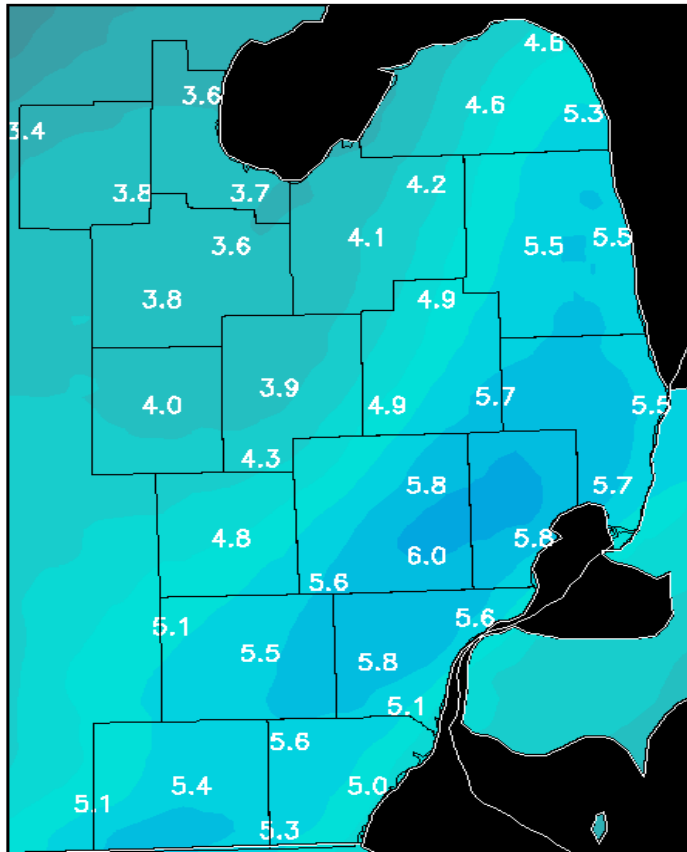


# Storm Total Snowfall

## Tuesday Through Wednesday Morning



Storm Total SnowAmt thru 02/27/2013 06EST



SnowAmt (in)



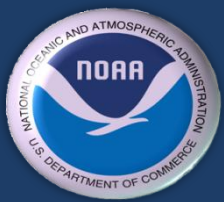
Snow Total Through 6 AM Wednesday  
(in inches)

### Total Snow Accumulation

- Accumulation of 3 to 5 inches from Flint/Owosso northward into the Tri-Cities
- Potential for 6 or more inches across the remainder of Southeast Michigan

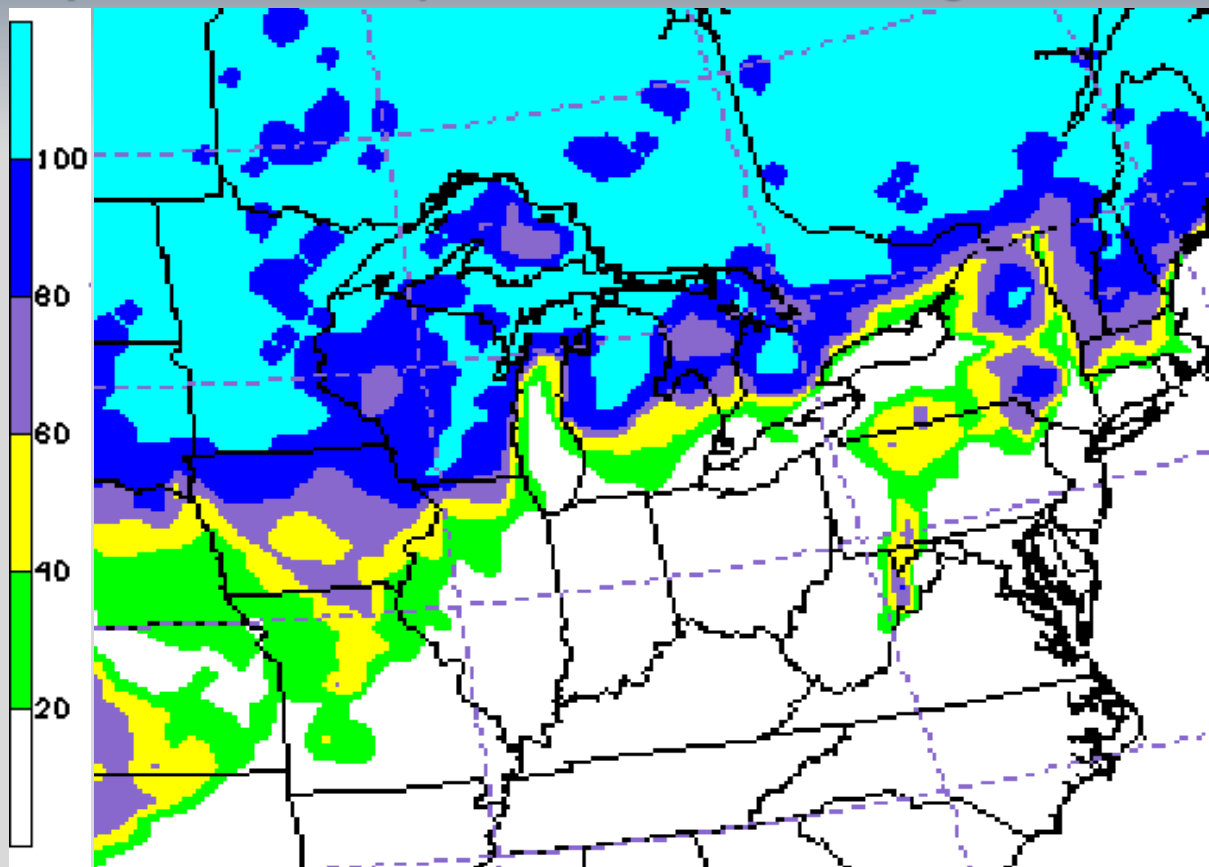
### Type of Snow

Heavy and Wet  
Snow Ratios of 7:1 to 10:1



# Forecast Challenges

**Probability of surface temperatures below freezing on Tuesday afternoon**



Sub-freezing surface temperatures are not a necessity for snow, but in this case the thermal structure is borderline and potential exists for some areas to see some change over to rain, especially south of Interstate 96. This would potentially cut down on snowfall accumulations.



# Additional Information



## Local Hazards Page

<http://www.weather.gov/detroit/svr.php>

## Great Lakes Marine Portal

<http://www.weather.gov/greatlakes>

## Hourly Wind Probabilities

<http://www.crh.noaa.gov/dtx/?n=pwind>

## Hourly Snowfall Probabilities

<http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities>

## NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



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